

**From:** [Rhotenberry, William](#)  
**To:** [McAteer, Mike](#)  
**Subject:** FW: Queston to Exxon  
**Date:** Friday, April 05, 2013 8:51:44 AM

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**From:** Rhotenberry, William  
**Sent:** Friday, April 05, 2013 8:47 AM  
**To:** Ruhl, Christopher; Mason, Steve  
**Cc:** Broyles, Ragan  
**Subject:** RE: Queston to Exxon

[Suggestions from Steve and I.](#)

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**From:** Ruhl, Christopher  
**Sent:** Friday, April 05, 2013 8:13 AM  
**To:** Rhotenberry, William; Mason, Steve  
**Cc:** Broyles, Ragan  
**Subject:** Queston to Exxon

Here is my first cut. Please add any that you feel are relevant or make any changes necessary. I would like to firm up our questions and have them available by 0930 this morning for attorney review. In that review we will determine appropriate regulatory authority to ask questions. I hope that we can have this ready for hand delivery to Exxon by noon and require them to respond back to EPA by the COB. Your thoughts?

*Exxon provided EPA a MSDS on XXX, does that MSDS sheet (provided) accurately describe all materials discharged from the pipeline on 5/29/13.*

*Identify the origin of the crude oil and describe in detail what changes if any were made to the crude from the wellhead until it entered the pipeline and was discharged on 5/29/13?*

*Can the oil accurately be described as tar sand oil? If not, why?*

*Identify any materials and that was mixed with crude oil at the time of discharge on 5/29/13?*  
*Identify all materials that were mixed with the crude oil at the time of the discharge on 5/29/13*

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*Identify any potentially unique environmental and/or ecological impacts from the oil or any additives discharged from 5/29/13?*

*Provide any unique oil spill cleanup strategies implemented by Exxon because of the nature of the spilled material on 5/29/13?*

*Provide any environmental monitoring or sampling strategies implemented by Exxon because of the nature of the spilled material on 5/29/13?*

- (1) At the beginning of this response, Exxon provided EPA a Material Safety Data Sheet (MSDS) on WABASCA HEAVY CRUDE OIL, which was revised in January, 2013. Does that MSDS sheet accurately describe all materials discharged from the pipeline in Mayflower, Arkansas, on 5/29/13.*
- (2) Identify the origin of the crude oil discharged from the pipeline on 5/29/13?*
- (3) Can the oil accurately be described as tar sand oil, or a type of diluted bitumen (dilbit)? If not, how would Exxon accurately describe the oil discharged during the release on 5/29/13?*
- (4) Identify any additional materials, including but not limited to solvents, additives, or other diluents, that was mixed with this crude oil at the time of discharge on 5/29/13?*
- (5) Identify any potentially unique environmental and/or ecological impacts from the oil or any additives discharged from 5/29/13?*
- (6) Provide any unique oil spill cleanup strategies implemented by Exxon or its response contractors due to the constituents of the spilled material on 5/29/13?*
- (7) Provide any environmental monitoring or sampling strategies implemented by Exxon or its response contractors due to the constituents of the spilled material on 5/29/13?*

Chris Ruhl  
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